

Ruby master - Feature #11122

exception-free non-blocking Queue/SizedQueue operations

05/06/2015 08:53 PM - normalperson (Eric Wong)

Status:	Open	
Priority:	Normal	
Assignee:	matz (Yukihiro Matsumoto)	
Target version:		
Description		
<p>I would like to reduce exceptions for non-blocking operations on Queue/SizedQueue in the same way we are reducing exceptions for non-blocking I/O with *_nonblock(..., exception: false) methods.</p> <p>However, I'm unclear what the API would be, since queues return Ruby objects instead of String buffers or number of bytes written, so any special object/symbol we would return could conflict with existing applications.</p> <p>Perhaps something like:</p> <pre>queue.pop(nonblock: :WAIT) queue.push(obj, nonblock: :WAIT)</pre> <p>Which would allow user to specify which object to raise when a queue is empty or full (similar to Timeout.timeout allowing specific exception to raise).</p>		